

Appl. No. 10/629,926
Amdt. dated 3/28/08
Reply to Office action of 11/29/07

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CLAIM AMENDMENTS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended). A device for releasing chemical/physical parameters, the device comprising:

~~an applicator for flexibly applying to an entire body or body parts; a flexible~~
applicator sized and configured to wrap and/or cover an entire body or body parts,
said applicator being made of flexible material and having at least two layers defining a space therebetween with at least two closed chambers or channels laterally adjacent one another, each chamber or channel being independently and individually fillable with fluidic media for independently and individually releasing the chemical/physical parameters;

one of said layers of said applicator being configured to face the body or body parts and being provided with openings for releasing fluidic liquid media directly to the body or body parts;

a control device connected to said applicator for controlling functional parameters, including a flow volume, a temperature, and a pressure, of the medium in said space; and

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sensors connected to said control device, the media in the respective chambers or channels being controlled by said control device in dependence on the body parameters detected by said sensors.

Claim 2 (original). The device according to claim 1, wherein said sensors are biosensors for detecting body parameters of a body adjoining said applicator.

Claim 3 (original). The device according to claim 2, wherein said body parameters include a body temperature and an EKG output.

Claim 4 (original). The device according to claim 1, wherein said chambers are connected via closable openings.

Claim 5 (original). The device according to claim 1, wherein said chambers or channels are disposed in vicinity next to one another or below one another.

Claims 6 -7 (canceled).

Claim 8 (previously presented). The device according to claim 1, wherein said at least one layer is formed with pores, valves, or semipermeable weaves.

Claim 9 (original). The device according to claim 1, wherein at least one layer of said applicator is impermeable to the fluidic media in said chambers or channels.

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Claim 10 (original). The device according to claim 9, wherein said at least one layer is averted from the body part.

Claims 11 – 18 (canceled).

Claim 19 (original). The device according to claim 1, wherein each of said chambers is subdivided into additional mutually communicating subchambers.

Claim 20 (original). The device according to claim 1, wherein said control device is connected to valves in feed lines for said fluidic media, for controlling a flowthrough volume of the fluidic media.

Claim 21 (canceled).

Claim 22 (original). The device according to claim 1, wherein said layers of said applicator are produced from a material selected from the group consisting of orientated polytetrafluoroethylene and polyvinylchloride.

Claim 23 (original). The device according to claim 1, wherein said applicator is disposed in a dimensionally stable casing surrounding the body or body parts at least partially.

Claim 24 (original). The device according to claim 23, wherein said sensors are disposed inside said stable casing.

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Claim 25 - 27 (canceled).

Claim 28 (new). The device according to claim 1, wherein at least one further channel is disposed at said layer of said applicator facing the body part.

Claim 29 (new). The device according to claim 28, wherein said at least one further channel is fillable with gaseous and/or liquid media.

Claim 30 (new). The device according to claim 28, wherein said at least one further channel is permeable or semi-permeable for releasing the gaseous and/or liquid media to the body or body parts.

Claim 31 (new). The device according to claim 28, wherein said at least one further channel is formed with openings.

Claim 32 (new). The device according to claim 31, wherein said openings are permeable on one side or said openings are permeable on both sides.

Claim 33 (new). The device according to claim 28, wherein said at least one further channel is impermeable.

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Claim 34 (new). The device according to claim 28, wherein said at least one further channel is one of a plurality of channels detachably attached to a layer of said applicator.

Claim 35 (new). The device according to claim 28, wherein said at least one channel is one of a plurality of channels extending one inside another.

Claim 36 (new). A device for releasing chemical/physical parameters, the device comprising:

liquid media;

a flexible applicator sized and configured to wrap and/or cover an entire body or body parts, said applicator being made of flexible material and having at least two layers defining a space therebetween with at least two closed chambers or channels laterally adjacent one another, each chamber or channel being independently and individually fillable with said liquid media for independently and individually releasing the chemical/physical parameters;

one of said layers of said applicator being configured to face the body or body parts and being provided with openings for releasing said liquid media directly to the body or body parts;

a control device connected to said applicator for controlling functional parameters, including a flow volume, a temperature, and a pressure, of said liquid media in said space; and

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sensors connected to said control device, said liquid media in said respective chambers or channels being controlled by said control device in dependence on the body parameters detected by said sensors.